

## 2000 WEATHER SUMMARY

JANUARY started out with unseasonably warm temperatures. The first week of the new year brought temperatures that peaked in the 50's and 60's. Temperatures during the first two weeks of the month averaged about 10 degrees warmer than normal. This period of very warm weather persisted until mid-month, when it changed abruptly. Temperatures averaged about 10 degrees below normal for the second half of the month. The state overall averaged 0.3 degrees cooler than normal. This was 1.6 degrees cooler than last January and the first of any winter month that has been cooler than normal since January 1996. Precipitation averaged 122% of normal. The Mohawk Valley reported the largest excess with 165% of the long-term mean. Monthly snowfall totals were above normal across much of New York State, thanks to several snow-producing systems that arrived during the second half of the month.

FEBRUARY marked a return to unseasonably warm temperatures. The Empire State averaged 4.3 degrees warmer than normal for the 17<sup>th</sup> warmest February in the last 106 years. This was the fifth consecutive year with a warmer-than-normal February. Departures around the state ranged from 2.7 degrees warmer than normal in the St. Lawrence Valley to 5.5 degrees warmer than normal along the Great Lakes. Precipitation averaged 2.77 inches, 114% of normal. This was the most precipitation reported during the month of February since 1990 and more than double that received in February 1999. Snowfall totals also varied widely across the state. Stillwater Reservoir reported 62 inches for the greatest total in the state. Rochester had the greatest seasonal total at month end among the state's major cities with 91.5 inches (*13.5 inches more than normal*). Elsewhere, Boonville and Sherman have topped 100 inches of snow for the season.

New York recorded its warmest MARCH since 1973 and the 7<sup>th</sup> warmest in 106 years of record. The state averaged 6.3 degrees warmer than normal. Precipitation averaged close to normal. The total for March was 3.02 inches, which represented 106% of normal. Snowfall was also below normal this month.

APRIL was the 6<sup>th</sup> wettest April on record with a total of 5.08 inches of precipitation (*154% of normal*). This April was the wettest since 1941. Across the state, the St. Lawrence Valley recorded 196% of their long-term normal, for their 3<sup>rd</sup> wettest April on record.

MAY was an exceedingly wet month. The precipitation total was 5.74 inches. This month's total represented 160% of normal, and was the wettest May since 1990 and the 5<sup>th</sup> wettest since records began in 1895. The largest precipitation totals were found in the northern part of the state. Temperatures averaged 2 degrees warmer than normal.

JUNE precipitation was above normal for nearly all of New York. Average precipitation was 5.43 inches, which represented 141% of normal. It was the wettest June since 1998 and the 10<sup>th</sup> wettest since records began in 1895. The total precipitation for each of the last three months has exceeded 5 inches in the Empire State. The

16.25 inch total measured during this period trails only the 16.31 inches recorded in 1972 (highlighted by tropical Storm Agnes) as the wettest such three-month period on record. It was also the second wettest first half of the year—again trailing only 1972. Temperatures averaged quite close to normal. The average temperature was 0.3 degrees warmer than normal.

JULY was the 2<sup>nd</sup> coolest July on record. The average temperature of 65.3 degrees was 3.3 degrees cooler than normal. Temperatures above 90 degrees were very rare this month and were confined to parts of the New York City/Long Island area. The state overall precipitation was 123% of normal. This was over an inch more than last July and the wettest July since 1996.

The cool weather of the Summer of 2000 continued into AUGUST. The state averaged 0.5 degrees cooler than normal for the month, making it the coolest August since 1997. Once again this month, 90 degree temperature readings were rare. Precipitation for the month was quite close to the August normal. The state averaged 104% of normal and was the wettest August since 1997. Year-to-date precipitation for the state at the end of the month totaled 32.55 inches, which is 125% of normal and the 3<sup>rd</sup> wettest such period since comparable records began in 1895.

SEPTEMBER temperatures averaged 0.2 degrees cooler than normal. The majority of New York's weather stations reported the occurrence of freezing temperatures at some point during the month of September. September precipitation totals averaged 101% of normal.

OCTOBER was a dry month, especially in the northern and extreme southeastern portions of the state. Precipitation averaged 2.30 inches, which is 70% of normal. Snowfall whitened the landscape at many places this month, especially between the 8<sup>th</sup> and 10<sup>th</sup> and on the 29<sup>th</sup>-30<sup>th</sup>. Temperatures were 1.1 degrees warmer than normal.

NOVEMBER was the second driest November in the last sixteen years. The total of 2.68 inches was 71% of normal. Very heavy lake effect snow hit western New York between the 19<sup>th</sup> and 22<sup>nd</sup>. Some counties received federal assistance to help with the cleanup following the storm. For the month, Buffalo had 45.6 inches of snow. Temperatures averaged 1.1 degrees cooler than normal.

DECEMBER was the coolest December since 1989 and the 11<sup>th</sup> coolest on record. Average temperature was 5.6 degrees cooler than normal. Precipitation was generally below normal in the west and normal in the eastern portion of the state. The Western Plateau recorded 55% of their normal December precipitation quota. This was their driest December since 1989 and the second driest in the last 24 years. Across the state, the Hudson Valley climate division received 147% of their normal for the month. The state, overall averaged 106% of normal, which was the most in a December since 1996.



Table 98. TEMPERATURE: Normals by Months at Selected Stations

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
	<i>Degrees F.</i>												
Albany	20.7	23.5	34.2	46.4	57.6	66.7	71.8	69.4	61.2	50.2	39.6	26.6	47.3
Batavia	23.5	24.6	34.5	46.0	57.4	66.4	70.7	68.5	62.1	51.4	40.6	28.8	47.8
Binghamton	21.2	22.8	32.5	44.2	55.8	64.0	69.1	67.1	59.5	48.7	38.3	26.6	45.9
Bridgehampton	30.0	31.1	38.1	46.6	56.1	65.5	71.4	70.9	64.0	54.0	45.0	35.1	50.5
Buffalo	23.7	24.6	33.8	45.1	56.5	65.8	71.1	68.9	61.9	51.1	40.5	29.1	47.7
Canton	14.9	16.5	28.8	42.1	54.1	63.1	68.2	65.8	58.1	46.8	36.0	21.0	43.0
Chazy	16.2	18.1	29.7	43.0	55.4	64.4	69.1	66.6	58.3	47.5	36.1	22.3	43.9
Cooperstown	20.5	22.3	32.2	43.3	54.9	63.1	67.6	66.2	58.8	48.4	37.9	25.9	45.0
Dansville	23.9	25.0	34.3	45.3	56.5	65.5	70.2	68.4	61.3	50.7	40.8	29.7	47.7
Elmira	22.8	24.1	34.0	45.0	55.8	64.6	69.6	67.6	60.3	48.9	39.6	28.4	46.8
Fredonia	25.0	25.7	35.2	46.0	57.2	66.4	70.9	69.1	63.1	52.9	42.3	30.9	48.7
Geneva	22.5	23.4	33.1	44.8	55.9	65.1	70.3	68.5	61.2	50.2	39.9	28.0	46.9
Glens Falls	18.9	21.7	32.5	45.0	56.8	65.1	70.0	67.6	59.7	48.7	37.4	24.3	45.7
Gloversville	18.1	19.9	30.9	43.9	55.6	64.4	69.1	66.9	58.6	47.8	36.5	24.3	44.6
Ithaca	21.6	22.6	32.9	43.9	54.9	63.9	68.5	66.7	59.7	48.9	39.2	27.7	45.9
Liberty	20.5	22.6	32.2	43.7	54.5	62.8	67.6	65.8	58.3	47.7	37.6	25.7	45.0
Little Valley	20.8	21.6	31.3	42.4	53.1	62.1	66.6	64.9	58.3	47.8	37.8	26.8	44.4
Lowville	15.6	17.4	28.9	41.9	53.8	62.8	67.5	65.3	57.2	46.6	35.2	22.3	42.8
Massena	14.4	16.5	28.4	47.6	55.0	63.9	69.1	66.4	57.9	46.9	35.2	20.3	43.0
New York City	31.5	33.1	41.4	51.4	61.7	71.1	76.3	75.4	68.2	57.4	47.3	36.5	54.1
Riverhead	30.6	31.6	39.6	48.6	59.2	68.4	73.4	72.5	65.8	55.6	45.9	35.6	52.2
Rochester	23.7	24.6	34.2	45.9	57.0	64.9	70.2	68.0	61.7	51.1	40.5	29.1	47.5
Syracuse	22.5	24.1	33.8	45.7	57.0	65.3	70.3	68.4	61.3	50.5	40.5	28.4	47.3
Utica	20.1	21.9	32.2	44.6	56.3	64.8	70.2	68.2	60.3	49.1	38.5	25.9	45.9
Watertown	18.1	19.4	31.1	43.7	55.8	64.8	70.3	68.4	60.3	48.7	38.1	24.4	45.1

Table 99. PRECIPITATION: Normals by Months at Selected Stations

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
	<i>Inches</i>												
Albany	2.4	2.3	2.9	3.0	3.4	3.6	3.2	3.5	2.9	2.8	3.2	2.9	36.2
Batavia	1.6	1.8	2.0	3.1	3.3	3.8	3.0	3.8	3.6	3.0	3.0	2.5	34.5
Binghamton	2.4	2.3	2.8	3.1	3.4	3.6	3.5	3.4	3.3	2.9	3.3	3.0	37.0
Bridgehampton	4.2	3.8	4.1	4.0	3.8	3.6	3.0	3.4	3.5	3.4	4.5	4.3	45.7
Buffalo	2.7	2.3	2.7	2.9	3.1	3.5	3.1	4.2	3.5	3.1	3.8	3.7	38.6
Canton	1.9	1.9	2.1	2.8	3.0	3.3	3.4	4.2	3.8	3.2	3.4	2.8	35.8
Chazy	1.5	1.6	1.8	2.6	3.0	3.0	3.4	4.1	3.1	2.9	2.8	2.4	32.1
Cooperstown	2.4	2.2	3.0	3.3	3.6	4.2	3.5	3.5	3.7	3.0	3.4	3.1	39.0
Dansville	1.4	1.5	1.8	2.8	2.9	3.8	3.0	3.2	3.4	2.6	2.7	2.1	31.2
Elmira	1.8	2.0	2.3	2.7	3.2	3.8	3.4	3.0	3.1	2.8	2.9	2.3	33.3
Fredonia	2.3	2.1	2.6	3.2	3.1	3.7	3.6	4.0	4.6	3.9	4.2	3.4	40.7
Geneva	1.8	1.8	2.1	2.9	3.0	3.7	2.9	3.1	3.2	2.9	3.1	2.5	32.9
Glens Falls	2.7	2.6	3.4	3.7	4.4	3.9	3.7	4.3	3.8	3.4	4.0	3.5	43.4
Gloversville	2.8	2.6	3.3	3.5	4.0	4.0	3.7	3.9	3.8	3.3	3.8	3.5	42.4
Ithaca	1.8	2.0	2.3	2.9	3.3	3.8	3.4	3.4	3.5	3.2	3.1	2.6	35.4
Liberty	3.4	3.3	3.5	4.4	4.6	4.6	4.3	4.4	3.9	3.7	4.3	4.0	48.3
Little Valley	3.4	3.1	3.5	3.8	3.9	4.5	4.0	4.5	4.7	4.1	4.8	4.7	49.1
Lowville	3.0	2.5	2.8	3.1	3.0	3.5	3.3	3.8	3.8	3.4	4.1	3.7	40.1
Massena	2.1	2.0	2.1	2.6	2.5	3.1	3.2	3.7	3.5	2.8	3.1	3.2	34.1
New York City	3.0	2.9	3.6	3.8	3.8	3.6	4.1	3.7	3.4	3.0	3.8	3.4	42.1
Riverhead	4.0	3.6	3.9	4.1	3.8	3.7	3.3	3.8	3.2	3.5	4.3	4.1	45.3
Rochester	2.1	2.1	2.3	2.6	2.7	3.0	2.7	3.4	3.0	2.4	2.9	2.7	32.0
Syracuse	2.3	2.1	2.8	3.3	3.3	3.8	3.8	3.5	3.8	3.2	3.7	3.2	38.9
Utica	3.5	3.0	3.4	3.6	3.7	4.1	3.8	3.8	4.3	3.4	4.3	4.2	45.1
Watertown	3.3	2.4	2.6	2.9	3.2	3.4	2.8	4.1	4.2	3.7	4.4	4.0	40.9

Table 100. TEMPERATURE: Monthly Average Temperatures at Selected Stations, 2000

Station	Jan.	Feb.	Mar.	Apr.	May	Jun	July	Aug.	Sept.	Oct.	Nov.	Dec.
	<i>Degrees F.</i>											
Albany	20.7	27.6	40.2	45.3	59.4	65.9	67.6	68.5	59.4	50.0	38.0	22.2
Batavia	23.7	30.4	42.0	45.8	59.4	66.8	67.7	68.2	62.7	53.9	38.9	22.2
Binghamton	20.2	26.9	39.4	43.1	57.2	64.1	64.7	64.9	57.7	49.7	35.6	19.6
Bridgehamton	28.6	34.4	42.0	46.2	57.6	65.9	68.8	69.2	63.2	52.6	43.3	30.1
Buffalo	23.6	29.9	40.0	44.2	57.5	64.9	67.6	68.0	61.2	52.3	38.8	22.1
Canton	14.7	20.4	36.2	40.6	56.3	62.7	65.7	66.6	56.8	48.2	34.7	15.8
Chazy	16.6	20.3	37.1	42.2	56.0	63.3	67.1	67.5	57.9	48.9	37.1	18.1
Coopertown	17.0	24.9	36.6	42.4	56.3	64.6	64.1	65.2	58.5	48.0	35.8	20.0
Dansville	22.5	29.6	40.4	44.8	59.2	66.7	66.6	67.1	61.2	51.1	38.8	22.4
Elmira	21.5	28.3	39.9	44.9	58.3	65.2	65.8	66.4	59.5	49.3	44.9	21.9
Fredonia	27.2	33.3	43.3	46.5	59.9	68.5	68.1	69.2	63.8	54.5	46.9	24.0
Geneva	22.2	28.2	39.7	43.3	58.5	65.2	67.3	67.6	60.1	51.2	38.7	22.2
Glens Falls	19.8	24.9	37.7	43.8	57.5	63.8	66.0	66.4	56.9	48.1	37.3	19.1
Gloversville	18.2	23.8	36.4	43.2	56.9	64.1	64.5	65.8	58.2	47.9	1/	18.4
Ithaca	20.8	27.4	39.3	43.7	58.0	64.8	65.4	66.4	59.9	50.2	37.7	21.6
Liberty	20.8	25.4	38.0	42.7	54.6	62.6	64.0	63.5	57.1	47.6	36.3	20.5
Little Valley	20.1	26.5	36.6	41.8	54.4	63.9	62.1	1/	57.1	47.5	34.1	17.1
Lowville	14.6	21.8	35.4	40.6	56.1	62.4	64.2	64.0	56.0	47.1	34.5	15.2
Massena	14.7	18.1	34.8	40.0	54.9	61.1	65.3	64.4	1/	1/	1/	1/
New York City	31.3	37.3	47.2	51.0	63.5	71.3	72.3	72.5	66.0	57.0	45.3	31.1
Riverhead	31.5	36.1	44.9	49.5	61.3	71.0	72.5	72.7	67.3	56.6	45.5	32.4
Rochester	23.2	30.2	41.2	45.1	59.5	65.8	67.1	67.5	60.9	51.7	38.4	22.6
Syracuse	21.3	28.8	40.1	44.3	59.1	65.6	67.0	68.2	60.7	50.9	38.3	21.7
Utica	19.9	28.1	39.7	44.8	59.3	65.7	67.0	68.5	61.5	51.0	36.9	21.0
Watertown	18.9	22.7	36.8	42.4	56.3	61.4	64.3	65.0	57.1	47.7	35.5	16.4

Table 101. PRECIPITATION: Monthly Precipitation at Selected Stations, 2000

Station	Jan.	Feb.	Mar.	Apr.	May	Jun	July	Aug.	Sept.	Oct.	Nov.	Dec.
	<i>Inches</i>											
Albany	3.43	2.83	3.80	4.23	4.95	6.69	4.48	4.69	3.06	2.48	1.90	4.38
Batavia	2.53	1.43	1.89	4.88	4.50	5.66	3.08	3.35	4.91	1.05	2.04	2.08
Binghamton	2.94	3.40	3.25	6.47	7.04	4.69	3.76	2.46	2.39	4.05	1.98	2.23
Bridgehamton	4.01	1.98	4.12	5.55	3.51	4.36	4.09	4.60	3.28	0.77	3.49	3.53
Buffalo	2.65	1.75	2.12	4.07	4.38	6.51	2.90	3.21	3.92	1.11	5.82	3.76
Canton	1.94	2.45	2.97	5.18	4.92	3.65	5.61	4.71	6.20	1.37	3.30	2.24
Chazy	1.09	0.40	0.32	2.12	4.97	3.28	2.93	3.08	2.55	1.17	1.69	0.68
Coopertown	5.47	3.69	4.50	6.15	8.11	5.26	3.16	5.81	3.57	2.51	2.19	4.20
Dansville	2.51	1.39	1.26	3.27	4.22	4.63	2.20	6.32	4.78	2.92	1.11	0.75
Elmira	2.10	2.51	2.06	5.12	5.03	6.39	2.57	2.88	3.52	2.92	1.77	1.21
Fredonia	1.64	2.19	1.94	4.74	3.82	5.58	1.57	5.11	5.03	2.04	3.69	2.70
Geneva	1.62	1.30	1.42	3.54	4.52	5.51	1.92	6.27	3.22	2.85	1.38	0.66
Glens Falls	3.52	2.80	1.92	4.79	5.17	3.46	6.92	1.94	1.40	2.91	2.06	3.46
Gloversville	5.87	3.06	3.41	7.71	5.19	6.53	9.44	8.20	1.52	3.64	0.94	3.89
Ithaca	2.91	2.97	2.38	4.59	5.63	4.86	2.90	1.71	3.36	3.30	1.90	1.61
Liberty	3.68	3.38	3.99	4.57	7.27	8.79	6.68	3.39	5.42	3.41	2.63	7.24
Little Valley	2.27	1.25	0.94	5.52	5.14	5.60	3.43	1/	5.21	2.11	1.75	1.68
Lowville	2.82	2.38	3.09	5.30	7.06	3.22	4.38	5.23	2.30	1.99	2.97	3.87
Massena	1.74	3.15	2.69	5.35	6.36	3.36	3.43	3.94	1/	1/	1/	1/
New York City	3.23	1.66	3.34	3.53	4.50	4.87	7.28	3.82	5.82	0.67	3.54	3.19
Riverhead	3.54	1.80	4.58	5.95	4.21	4.24	4.70	2.42	3.92	0.46	3.72	3.65
Rochester	2.98	1.97	2.04	4.35	4.70	4.47	3.66	4.11	3.53	1.36	2.19	2.47
Syracuse	2.80	2.46	2.37	4.24	4.75	4.46	2.73	2.48	3.13	2.25	2.98	2.36
Utica	3.75	3.30	3.59	4.72	8.43	4.90	5.19	4.84	4.61	3.64	2.52	2.91
Watertown	3.07	3.42	2.59	4.95	4.61	3.67	4.13	3.85	2.97	1.77	4.86	3.70

1/ Data not available.

Weather information and data furnished in cooperation by National Weather Service, NOAA, U.S. Dept. of Commerce.

Table 102. GROWING DEGREE DAYS: Selected Stations, March-October, 2000 <sup>1/</sup>

Station	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Season Total	Departure from normal
Albany	7	27	296	483	551	577	302	100	2,343	-295
Batavia	31	39	301	504	545	569	381	188	2,558	142
Binghamton	23	20	242	431	460	471	260	107	2,014	-340
Bridgehamton	6	29	245	483	590	601	406	135	2,495	-144
Buffalo	5	24	245	453	553	565	354	146	2,345	-288
Canton	5	9	222	392	492	<u>2/</u>	253	102	<u>2/</u>	<u>2/</u>
Chazy	<u>2/</u>	12	174	368	529	517	245	71	<u>2/</u>	<u>2/</u>
Cooperstown	2	13	230	451	448	479	288	70	1,981	-55
Dansville	<u>2/</u>	41	299	510	522	536	357	130	<u>2/</u>	<u>2/</u>
Elmira	<u>2/</u>	28	280	464	495	515	324	89	<u>2/</u>	<u>2/</u>
Fredonia	36	44	308	<u>2/</u>	560	595	415	201	<u>2/</u>	<u>2/</u>
Geneva	21	21	283	470	546	<u>2/</u>	324	129	<u>2/</u>	<u>2/</u>
Glens Falls	2	35	242	460	528	518	<u>2/</u>	94	<u>2/</u>	<u>2/</u>
Ithaca	19	27	273	450	486	515	329	119	2,218	-34
Liberty	8	19	<u>2/</u>	387	<u>2/</u>	431	247	69	<u>2/</u>	<u>2/</u>
Little Valley	0	22	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	259	<u>2/</u>	<u>2/</u>	<u>2/</u>
Lowville	2	8	221	379	445	444	235	71	1,805	<u>2/</u>
Massena	0	13	184	344	487	517	237	70	1,852	-366
New York City	48	101	419	677	738	763	547	306	3,599	-53
Riverhead	27	62	359	637	702	716	530	233	3,266	335
Rochester	21	31	307	480	539	555	347	146	2,426	-277
Syracuse	17	24	291	475	534	568	338	128	2,375	-256
Utica	16	26	302	466	535	580	351	120	2,396	-68
Watertown	13	15	214	339	451	474	256	85	1,836	-389

<sup>1/</sup> One growing degree day is accumulated for each whole degree that the daily mean temperature is above 50 degrees Fahrenheit.

2/ Data not available.